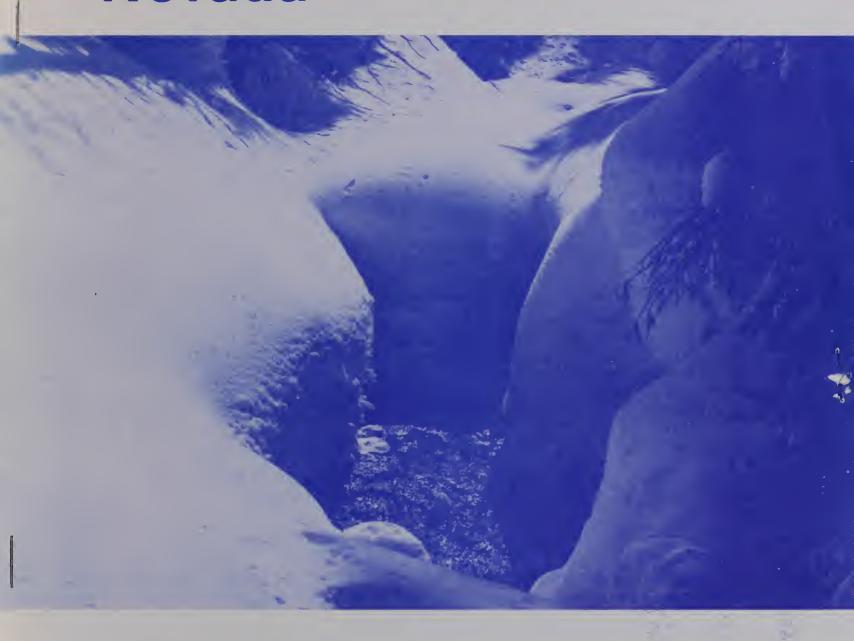
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Water Supply Outlook For Nevada

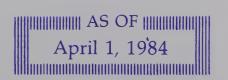




SOIL CONSERVATION SERVICE U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefor subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SPRING IS ON THE WAY.

Published by Soil Conservation Service

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland Oregon 97209.

Copies of state and local reports may also be obtained from the state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	2490 W. 26th Avenue, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	32 E. Babcock, Bozeman, Montana 59715
Nevada	P.O. Box 4850, Reno Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
	45.

PUBLISHED BY OTHER AGENCIES

100 E. "B" St., Casper, Wyoming 82601

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802--- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

Wvomina



Water Supply Outlook For Nevada

AND FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS



Issued by

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WASHINGTON D.C.

Released by

GERALD THOLA STATE CONSERVATIONIST SOIL CONSERVATION SERVICE RENO, NEVADA

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Eldo, Nevada Post Office Building Phone: 702-738-8431

Ely, Nevada 1190 Avenue E Phone: 702-289-4065

Eureka, Nevada Sentinel Building Phone: 702-237-5251

Fallon, Nevada 111 Sheckler Road Phone: 702-423-5124 Las Vegas, Nevada 310 Almond Tree Lane Phone: 702-385-6426

Lovelock, Nevada 1055 Cornell Street Phone: 702-273-2134

Minden, Nevada 1694 County Road Phone: 702-782-3661

Reno, Nevada 1281 Terminal Way Phone: 702-784-5408

South Lake Tahoe, California 3552 Highway 50, Suite 1 Phone: 916-541-1496

Tonopah, Nevada 170 Mineral Street North Phone: 702-482-5506

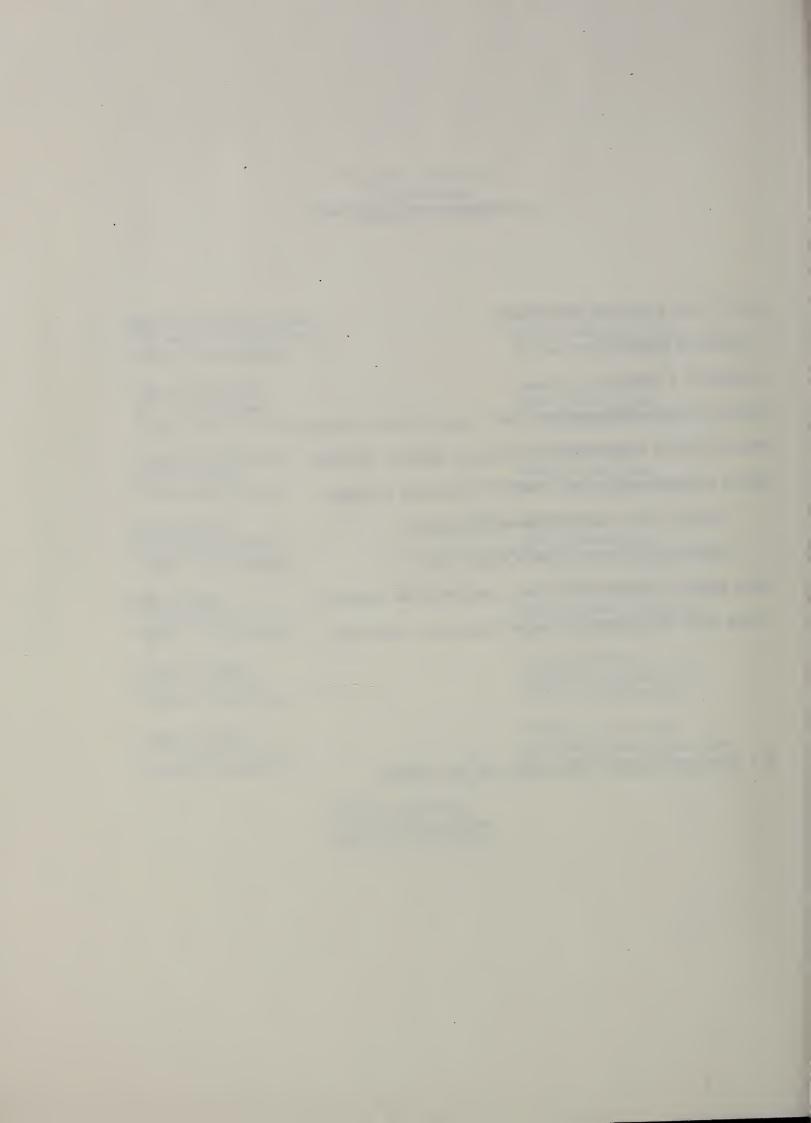
Winnemucca, Nevada 1200 Winnemucca Blvd., East Phone: 702-623-2265

Yerrington, Nevada 215 West Bridge Street Phone: 702-463-2265

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All Averages are for 1961-1980, 20 Year Period.



WATER SUPPLY OUTLOOK FOR NEVADA

SNOW MEASUREMENTS

April first snowpack conditions affecting Nevada vary greatly throughout the state. The Tahoe, Truckee, Carson, and Walker Basins are all near or slightly below average. The Northern Nevada snowpack is well above average, while southern Nevada snow courses recorded some of the lowest readings on record for this time of year.

Access to range areas in Northern Nevada can be expected to be delayed significantly this year. Above average streamflows will cause accelerated erosion in some areas and may severely damage roads into the back-country. Moisture for range plants in the northern portion of the state will be abundant. However, growth may be delayed by deep snow conditions in many areas.

The below average snowpack conditions in the southern part of the state will adversely affect plant growth and water availability for wildlife species. The lack of adequate moisture will also contribute to dry range conditions and may increase the possibility of wildland fires.

SIERRA EAST SLOPE

The Tahoe-Truckee Basin is 100% of the twenty year average. Most snow course measurements are approximately 50% of last year's record amounts. Run-off is beginning at most of the lower sites and some melting is starting at the higher courses. The snow course percentages in the Tahoe Basin are slightly above those in the Truckee Basin in relation to the twenty year averages.

The combined Carson-Walker Basin is 100% of average. The Walker Basin snow course averages are higher than those in the Carson Basin. The Walker Basin is 106% of average while the Carson Basin is 95%. Snowpack melt has also started at the lower snow courses in both of these basins.

NORTHERN AND EASTERN NEVADA

The snowpack condition in Northern and Eastern Nevada remains well above average. Nineteen snow course records were established for April first.

The Humboldt River drainage is 240% of average. The snowpack percentages in the lower reach of the river are above the averages of the upper reaches. Nine all-time records were established in the Humboldt River Basin. The nine snow courses are American Beauty aerial marker, Dorsey Basin, Draw Creek #2, Green Mountain, Golconda #2, Pole Canyon #2, Robinson Lake aerial marker, Smith Creek, and Lower Trout Creek.

The Snake and Owyhee River Basins are both well above the average for April first with the Snake at 200% and the Owyhee at 269%. Three new records were reported in the Snake Basin while four were recorded in the Owyhee Basin. The snow courses establishing new records in the Snake River Basin are Bear Creek, Goat Creek, and Pole Creek Ranger Station. The Owyhee snow courses eclipsing old records are Columbia Basin aerial marker, Fawn Creek aerial marker, Lower Jack Creek, and Upper Jack Creek.

Snowpack conditions in Eastern Nevada are also very good. The Basin average is 164% and a new record was set at Kalamazoo Creek. Snow course measurements in the Ely area are excellent. Baker Creek #1 has 6.3 inches of water content as compared to a 5.8 inch average. Ward Mountain #2 was measured at 13.2 inches with an average of only 7.7 inches.

SOUTHERN NEVADA

The snowpack in southern Nevada is significantly below the April first average. The basin is only 18% of normal. The Kyle Canyon snow course reported the lowest April first reading ever recorded. Most of the other courses were close to the lowest reading on record for the month.

RESERVOIR STORAGE

Reservoir storage has been adjusted to accomodate expected spring run-off. Total storage as of April first was 976,000 acre feet. The average for the date is 1,010,000 acre feet. The storage in Rye Patch Reservoir has been reduced by 41,300 acre feet since March first and Wild Horse Reservoir storage has been decreased by 7,400 acre feet.

STREAMFLOW FORECASTS

Streamflow forecasts for all segments of the Humboldt River are in excess of 200%. The river at Comus is forecasted at 510,000 acre feet which is approximately 300% of average. The North Fork Humboldt at Devils Gate is estimated at 100,000 acre feet or 290% of average.

The Owyhee River water supply will be 250% of average or better for all forecast points. The forecast near Gold Creek is 63,000 acre feet or 270% of average. The South Fork near White Rock will produce 228,000 acre feet which is 275% of average.

Water supply in the Truckee, Carson, and Walker Basins will be slightly above average for all forecast locations. The Truckee River at Farad, California, should produce an April to July volume of 280,000 acre feet as compared to an average of 269,000 acre feet. The Carson River near Carson City is forecasted at 210,000 acre feet and near Fort Churchill the volume should be 200,000 acre feet. The forecast for the West Walker near Coleville, California, is 175,000 acre feet or 112% of average.

The surface elevation of Pyramid Lake increased 0.9 feet during the month with a total surface rise of 6.43 feet since October 1, 1983. The lake surface is expected to rise another 1 to 2 feet before stabilizing.

The surface elevation of Wahoe Lake continued the downward trend, decreasing .38 feet since last month. Since January 1, 1984 the elevation has dropped .95 feet.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF April 1, 1984

		Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average
Owyhee	Wild Horse	72	50.6	63	35
Lower Humboldt	Rye Patch	194	69.7	167	132
Colorado	Mohave	1,810	1,708.9	1,718	1,700
Colorado	Mead	26,159	23,804.0	24,638	17,200
Tahoe	Tahoe	745	50 3.9	558	496
Truckee	Boca	41	31.6	28	22
Truckee	Stampede**	222	203.1	203	126*
Truckee	Prosser***	. 30	9.4	10	9*
Carson	Lahontan	295	218.8	207	242
West Walker	Topaz	59	59.5	32	47
East Walker	Bridgeport	42	41.8	. 24	36
* Adjusted average. ** Storage began August 1, 196 *** Flood Control use allocation	9. 1 of 20,000 acre—feet between Nov	vember and April 0.			

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average +
ctober 1	705	1,172	786
January 1	1,211	1,070	844
February 1	1,041	1,114	920
March 1	992	1,089	968
April 1	976	1,079	1,010
May 1	3,0	972	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.

TOTAL USABLE CAPACITY 1448

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

	PEAK FLOW (SECOND	FEET)
FORECAST POINT	Forecast Range	Average +
E. Fork Carson River nr. Gardnerville, NV Carson River nr. Carson City, NV Carson River nr. Ft. Churchill, NV W. Walker R. below L. Walker nr. Coleville, CA	1800-2300 2600-3200 2150-2750 1830-2330	1865 2098 1914 1589

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/ Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
E. Carson River near Gardnerville, NV E. Carson River near Gardnerville, NV	200	July 25	July 24
	500	July 9	July 28

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1984

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1961-80 period

NORTHERN GREAT BASIN Galena Creek near Steamboat, NV Apr-July 3.9 88 4.4	FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
Little Truckee River above Boca, CA Apr-July 280 104 269	NORTHERN GREAT BASIN		•		
Little Truckee River above Boca, CA	Galena Creek near Steamboat, NV.	Apr-July	3.9	88	4.4
Truckee River at Farad, CA 1/	Little Truckee River above Boca, CA	•			
Lake Tahoe Rise in ft(assuming gates closed) Apr 1 to high Apr-July 6.9 106 6.5 Steamboat Creek at Steamboat, NV Apr-July 3.7 72 5.2 Walker Lake Rise Oct 1 to high 6.9 Pyramid Lake Rise Oct 1 to high 6.9 CARSON RIVER CARSON RIVER E. Carson near Gardnerville, NV Apr-July 57 108 53 Carson River near Carson City, NV Apr-July 200 120 166 Walker near Carson City, NV Apr-July 210 115 182 Carson River near Ft. Churchill, NV Apr-July 210 166 WALKER RIVER E. Walker near Bridgeport, CA 2/ Apr-July 175 112 148 SNAKE RIVER E. Walker near Owyhee, NV 3/ Apr-July 175 112 148 SNAKE RIVER Owyhee River near Owyhee, NV 3/ Apr-July 63 269 23 S. Fork Owyhee River near White Rock, NV Apr-July 228 275 83 Salmon Falls Creek near Lamoille, NV Apr-July 228 275 83 Salmon Falls Creek near Lamoille, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 170 283 230 Humboldt River at Palisade, NV Apr-July 180 287 35 Humboldt River at Comus, NV Apr-July 180 287 35 Humboldt River near Paradise Valley, NV Apr-July 180 280 33 Martin Creek near Austin, NV Apr-July 180 295 173 Martin Creek near Battle Mountain, NV Apr-July 180 295 173 Martin Creek near Battle Mountain, NV Apr-July 180 260 3 3 L. Humboldt River near Fassin 160 4 1 Martin Creek near Eagleville, CA Apr-July 180 250 16 Eagle Creek near Eagleville, CA Apr-July 180 250 16 Eagle Creek near Eagleville, CA Apr-July 180 250 16 Eagle Creek near Eagleville, CA Apr-July 180 250 16 Eastern Near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA 180 25		•			
Sage Hen Creek, CA Steamboat, NV Apr-July 3 .7 .72 .5.2 106 6.5.5 Steamboat Creek at Steamboat, NV Apr-July 3 .7 .72 .5.2 5.2 Walker Lake Rise Oct 1 to high CARSON RIVER Oct 1 to high 8.2 .1.1 0.1 E. Carson near Gardnerville, NV CARSON RIVER Apr-July 205 .110 .85 11.1 E. Carson near Gardnerville, NV CARSON River near Carson City, NV Apr-July .210 .115 .182 Apr-July 210 .115 .182 Carson River near Ft. Churchill, NV Apr-July .200 .120 .166 MALKER RIVER E. Walker near Bridgeport, CA 2/ Apr-July .275 .112 .148 Apr-July .275 .112 .148 SMAKE RIVER Apr-July .210 .246 .85 Owyhee River near Gold Creek, NV 3/ Apr-July .228 .275 .83 S. Fork Owyhee River near White Rock, NV Apr-July .228 .275 .83 Salmon Falls Creek near San Jacinto, NV HUMBOLDT RIVER Lamoille Creek near Lamoille, NV Apr-July .270 .221 .75 Marys River near Deeth, NV Apr-July .270 .271 .37 N. Fork Humboldt above Dixie Creek, NV Apr-July .270 .271 .37 Mumboldt River at Palisade, NV Apr-July .270 .271 .37 Mumboldt River at Palisade, NV Apr-July .270 .272 .33 Humboldt River near Paradise, NV Apr-July .270 .273 .37 Martin Creek near Battle Mountain, NV Apr-July .270 .270 .273 .37 Martin Creek near Battle					
Steamboat Creek at Steamboat, NV Apr-July 3.7 72 5.2	Sage Hen Creek, CA		6.9		
Walker Lake Rise					
Pyramid Lake Rise	Walker Lake Rise				
CARSON RIVER E. Carson near Gardnerville, NV W. Carson at Woodfords, CA Carson River near Carson City, NV Apr-July 200 115 182 Carson River near Ft. Churchill, NV MAPR-July 200 120 166 MALKER RIVER E. Walker near Bridgeport, CA 2/ W. Walker below L. Walker nr Coleville, NV SNAKE RIVER Cowyhee River near Owyhee, NV 3/ Synch River near Gold Creek, NV 3/ Synch River near Gold Creek, NV Sold River near White Rock, NV Salono Falls Creek near San Jacinto, NV Mar-Sept 174 185 94 HUMBOLDT RIVER Lamoille Creek near Lamoille, NV Apr-July 55 192 29 S. Fork Humboldt above Dixie Creek, NV Apr-July 170 221 75 Apr-July 180 217 37 N. Fork Humboldt at Devils Gate, NV Apr-July 650 283 230 Humboldt River at Palisade, NV Apr-July 650 283 230 Humboldt River at Comus, NV Apr-July 650 283 230 Humboldt River at Comus, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 L. Humboldt River near Ft. Bidwell, CA Apr-July 8.6 260 3.3 Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 260 3.3 Apr-July 9.6 260 3.3 Apr-July 9.6 260 3.3 Apr-July 9.6 260 3.3 Apr-July 9.6	Pyramid Lake Rise				
W. Carson at Woodfords, CA	CARSON RIVER				2.0
M. Carson at Woodfords, CA	E. Carson near Gardnerville, NV	Apr-July	205	110	187
Carson River near Carson City, NV Apr-July 210 115 182 166 NAILKER RIVER	W. Carson at Woodfords, CA	•	57		
Carson River near Ft. Churchill, NV MALKER RIVER	Carson River near Carson City, NV		210	115	
WALKER RIVER E. Walker near Bridgeport, CA 2/	Carson River near Ft. Churchill, NV	Apr-July	200	120	
W. Walker below L. Walker nr Coleville, NV Apr-July 175 112 148 SMAKE RIVER SMAKE RIVER Apr-July 210 246 85 Owyhee River near Gold Creek, NV 3/ Apr-July 63 269 23 S. Fork Owyhee River near White Rock, NV Apr-July 228 275 83 Salmon Falls Creek near San Jacinto, NV Mar-Sept 174 185 94 HUMBOLDT RIVER Lamoille Creek near Lamoille, NV Apr-July 55 192 29 S. Fork Humboldt above Dixie Creek, NV Apr-July 70 221 75 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie C	WALKER RIVER .				
SNAKE RIVER	E. Walker near Bridgeport, CA 2/	Apr-Aug	75	115	66
SNAKE RIVER Owyhee River near Owyhee, NV 3/ Apr-July 210 246 85 Owyhee River near Gold Creek, NV 3/ Apr-July 63 269 23 S. Fork Owyhee River near White Rock, NV Apr-July 228 275 83 Salmon Falls Creek near San Jacinto, NV Mar-Sept 174 185 94 HUMBOLDT RIVER HUMBOLDT RIVER Apr-July 55 192 29 S. Fork Humboldt above Dixie Creek, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV Apr-July 80 217 37 N. Fork Humboldt above Dixie Creek, NV	W. Walker below L. Walker nr Coleville, NV	Apr-July	175	112	
Owyhee River near Gold Creek, NV 3/ Apr-July 63 269 23 S. Fork Owyhee River near White Rock, NV Apr-July 228 275 83 Salmon Falls Creek near San Jacinto, NV HUMBOLDT RIVER HUMBOLDT RIVER Lamoille Creek near Lamoille, NV Apr-July 55 192 29 S. Fork Humboldt above Dixie Creek, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 100 287 35 Humboldt River at Palisade, NV Apr-July 100 287 35 Humboldt River at Comus, NV Apr-July 510 295 173 Kingston Creek near Austin, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise Valley, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise, NV Apr-July 8.6 269 16 Reese River near Ione, NV Apr-July 43 269 16 Reese River near Battle Mountain, NV Apr-July 45 281 16 NORTHERN GREAT BASIN Bidwell Creek near Edarville, CA Apr-July 5 139 3.6 Bidwell Creek near Cedarville, CA Apr-July 6.6 160 4.1 Deep Creek near Cedarville, CA Apr-July 5 139 3.6 Eagle Creek near Eagleville, CA Apr-July 5 139 3.6 Eagle Creek near McDermitt, NV Apr-July 30 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 30 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 4.4 220 2 Steptoe Creek near Ely, NV Apr-July 4.4 220 2	SNAKE RIVER				
Owyhee River near Gold Creek, NV 3/ Apr-July 63 269 23 S. Fork Owyhee River near White Rock, NV Apr-July 228 275 83 Salmon Falls Creek near San Jacinto, NV HUMBOLDT RIVER HUMBOLDT RIVER Lamoille Creek near Lamoille, NV Apr-July 55 192 29 29 S. Fork Humboldt above Dixie Creek, NV Apr-July 170 221 75 75 Marys River near Deeth, NV Apr-July 100 287 35 35 Humboldt River at Palisade, NV Apr-July 100 287 35 230 Humboldt River at Comus, NV Apr-July 510 295 173 231 Kingston Creek near Austin, NV Apr-July 8.6 260 3.3 230 L. Humboldt River near Paradise Valley, NV Apr-July 8.6 260 3.3 310 9.7 Martin Creek near Paradise, NV Apr-July 43 269 16 16 Reese River near Ione, NV Apr-July 43 269 16 16 Reese River near Battle Mountain, NV Apr-July 45 281 16 16 NORTHERN GREAT BASIN Bidwell, CA Apr-July 5 139 3.6 12 Bidwell Creek near Cedarville, CA Apr-July 5 139 3.6 26 Eagle Creek near Eagleville, CA Apr-July 5 139 3.6 26 Guinn River near McDermitt, NV Apr-July 30 250 16 4.3 E- Fork Quinn River near McDermitt, NV Apr-July 30 250 12 16 EASTERN NEVADA Apr-July 4.4 220 2	Owyhee River near Owyhee, NV 3/	Apr-July	210	246	85
Salmon Falls Creek near San Jacinto, NV HUMBOLDT RIVER Lamoille Creek near Lamoille, NV S. Fork Humboldt above Dixie Creek, NV Apr-July Apr-J	Owyhee River near Gold Creek, NV 3/	Apr-July	63	269	
Salmon Falls Creek near San Jacinto, NV HUMBOLDT RIVER Lamoille Creek near Lamoille, NV S. Fork Humboldt above Dixie Creek, NV Apr-July Apr-J	S. Fork Owyhee River near White Rock, NV	Apr-July	228	275	83
Lamoille Creek near Lamoille, NV Apr-July 55 192 29		Mar-Sept	174	185	94
S. Fork Humboldt above Dixie Creek, NV Apr-July 170 221 75 Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt at Devils Gate, NV Apr-July 100 287 35 Humboldt River at Palisade, NV Apr-July 650 283 230 Humboldt River at Comus, NV Apr-July 510 295 173 Kingston Creek near Austin, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise Valley, NV Apr-July 30 310 9.7 Martin Creek near Paradise, NV Apr-July 43 269 16 Reese River near Ione, NV Apr-July 18 270 6.6 Rock Creek near Battle Mountain, NV Apr-July 45 281 16 NORTHERN GREAT BASIN Bidwell Creek near Cedarville, CA Apr-July 6.6 160 4.1 Deep Creek near Cedarville, CA Apr-July 5 139 3.6 Eagle Creek near Eagleville, CA Apr-July 6.4 150 4.3 Quinn River near McDermitt, NV Apr-July 30 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 4.4 220 2 Steptoe Creek near Ely, NV Apr-July 4.4 220 2	HUMBOLDT RIVER				
Marys River near Deeth, NV Apr-July 80 217 37 N. Fork Humboldt at Devils Gate, NV Apr-July 100 287 35 Humboldt River at Palisade, NV Apr-July 650 283 230 Humboldt River at Comus, NV Apr-July 510 295 173 Kingston Creek near Austin, NV Apr-July 8.6 260 3.3 L. Humboldt River near Paradise Valley, NV Apr-July 30 310 9.7 Martin Creek near Paradise, NV Apr-July 43 269 16 Reese River near Ione, NV Apr-July 48 270 6.6 Rock Creek near Battle Mountain, NV Apr-July 45 281 16 NORTHERN GREAT BASIN Apr-July 45 281 16 Bidwell Creek near Ft. Bidwell, CA Apr-July 6.6 160 4.1 Deep Creek near Cedarville, CA Apr-July 5 139 3.6 Eagle Creek near Eagleville, CA Apr-July 40 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 30 250 12	Lamoille Creek near Lamoille, NV	Apr-July	55	192	29
N. Fork Humboldt at Devils Gate, NV Humboldt River at Palisade, NV Humboldt River at Comus, NV Apr-July ADR-METRINER Apr-July Apr	S. Fork Humboldt above Dixie Creek, NV	Apr-July	170	221	75
Humboldt River at Palisade, NV Humboldt River at Comus, NV Kingston Creek near Austin, NV L. Humboldt River near Paradise Valley, NV Apr-July Apr-J	Marys River near Deeth, NV	Apr-July	80	217	37
Humboldt River at Comus, NV Kingston Creek near Austin, NV L. Humboldt River near Paradise Valley, NV Apr-July A	N. Fork Humboldt at Devils Gate, NV	Apr-July	100	287	35
Kingston Creek near Austin, NV L. Humboldt River near Paradise Valley, NV Apr-July A	Humboldt River at Palisade, NV	Apr-July	650	283	230
L. Humboldt River near Paradise Valley, NV Apr-July 30 310 9.7 Martin Creek near Paradise, NV Apr-July 43 269 16 Reese River near Ione, NV Apr-July 18 270 6.6 Rock Creek near Battle Mountain, NV Apr-July 45 281 16 NORTHERN GREAT BASIN Bidwell Creek near Ft. Bidwell, CA Apr-July 18 150 12 Mill Creek near Cedarville, CA Apr-July 6.6 160 4.1 Deep Creek near Cedarville, CA Apr-July 5 139 3.6 Eagle Creek near Eagleville, CA Apr-July 6.4 150 4.3 Quinn River near McDermitt, NV Apr-July 30 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 4.4 220 2 COLORADO RIVER		Apr-July	510	295	173
Martin Creek near Paradise, NV Reese River near Ione, NV Rock Creek near Battle Mountain, NV NORTHERN GREAT BASIN Bidwell Creek near Cedarville, CA Mill Creek near Cedarville, CA Deep Creek near Eagleville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV E. Fork Quinn River near McDermitt, NV EASTERN NEVADA Franklin River near Arthur, NV Steptoe Creek near Ely, NV COLORADO RIVER Apr-July Apr-Jul	Kingston Creek near Austin, NV	Apr-July	8.6	260	3.3
Reese River near Ione, NV Rock Creek near Battle Mountain, NV NORTHERN GREAT BASIN Bidwell Creek near Ft. Bidwell, CA Mill Creek near Cedarville, CA Deep Creek near Cedarville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV E. Fork Quinn River near McDermitt, NV EASTERN NEVADA Franklin River near Arthur, NV Steptoe Creek near Ely, NV COLORADO RIVER Apr-July	L. Humboldt River near Paradise Valley, NV	Apr-July	30	310	9.7
Rock Creek near Battle Mountain, NV NORTHERN GREAT BASIN Bidwell Creek near Ft. Bidwell, CA Mill Creek near Cedarville, CA Deep Creek near Cedarville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV Apr-July Ap	Martin Creek near Paradise, NV	Apr-July	43	269	16
Bidwell Creek near Ft. Bidwell, CA Mill Creek near Cedarville, CA Deep Creek near Cedarville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV E. Fork Quinn River near McDermitt, NV Apr-July A	Reese River near Ione, NV	Apr-July	18	270	6.6
Mill Creek near Cedarville, CA Deep Creek near Cedarville, CA Deep Creek near Cedarville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV Apr-July		Apr-July	45	281	16
Mill Creek near Cedarville, CA Deep Creek near Cedarville, CA Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV E. Fork Quinn River near McDermitt, NV Apr-July A	Bidwell Creek near Ft. Bidwell, CA	Apr-July	18	150	12
Eagle Creek near Eagleville, CA Apr-July 6.4 150 4.3 Quinn River near McDermitt, NV Apr-July 40 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 33 254 13 McDermitt Creek near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 15.2 258 5.9 Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER	Mill Creek near Cedarville, CA	Apr-July	6.6	160	
Eagle Creek near Eagleville, CA Quinn River near McDermitt, NV E. Fork Quinn River near McDermitt, NV Apr-July Apr-July Apr-July Apr-July Apr-July Apr-July Steptoe Creek near Ely, NV COLORADO RIVER Apr-July Apr	Deep Creek near Cedarville, CA	Apr-July	5	139	3.6
Quinn River near McDermitt, NV Apr-July 40 250 16 E. Fork Quinn River near McDermitt, NV Apr-July 33 254 13 McDermitt Creek near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 15.2 258 5.9 Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER	Eagle Creek near Eagleville, CA		6.4	150	
E. Fork Quinn River near McDermitt, NV Apr-July 33 254 13 McDermitt Creek near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 15.2 258 5.9 Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER	Quinn River near McDermitt, NV	Apr-July	40	250	
McDermitt Creek near McDermitt, NV Apr-July 30 250 12 EASTERN NEVADA Franklin River near Arthur, NV Apr-July 15.2 258 5.9 Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER	E. Fork Quinn River near McDermitt, NV	Apr-July	33	254	
Franklin River near Arthur, NV Apr-July 15.2 258 5.9 Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER		•	30	250	
Steptoe Creek near Ely, NV Apr-July 4.4 220 2 COLORADO RIVER	EASTERN NEVADA				
COLORADO RIVER	Franklin River near Arthur, NV	Apr-July	15.2		
		Apr-July	4.4	220	2
Virgin River at Littlefield, AZ Apr-June 58 95 61	Virgin River at Littlefield, AZ	Apr-June	58	95	61

NOTE: Streamflow forecasts which appear in this Bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

^{1/} Observed flow plus change in storage in Boca, Stampede, and Prosser Reservoirs, Donner, Independence, and Martis Creek Lakes, and minus the flow at Truckee.

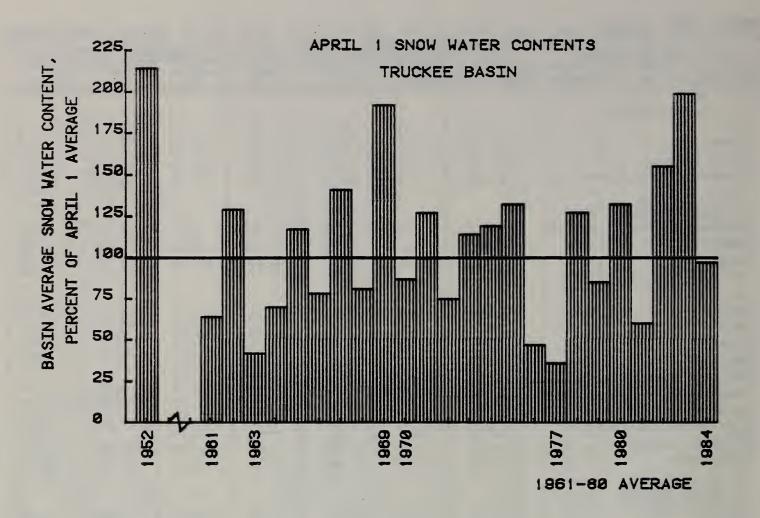
 $[\]frac{2}{3}$ Observed flow plus change in storage in Bridgeport Reservoir. $\frac{3}{4}$ Observed flow plus change in storage in Wild Horse Reservoir.

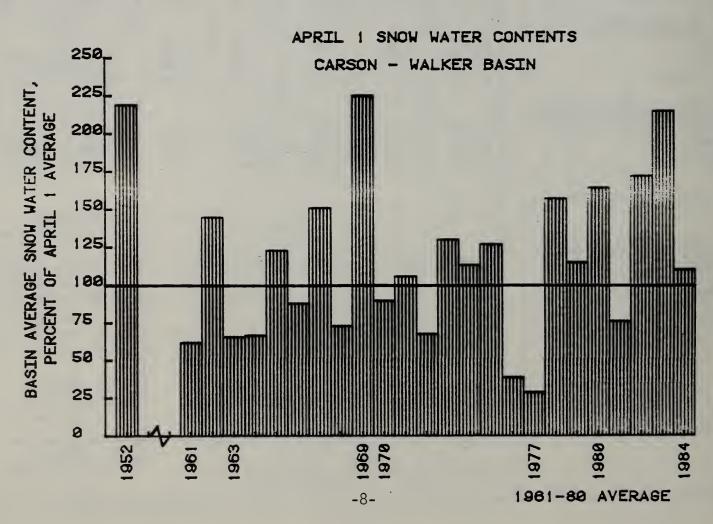
PRECIPITATION (Inches) April 1984

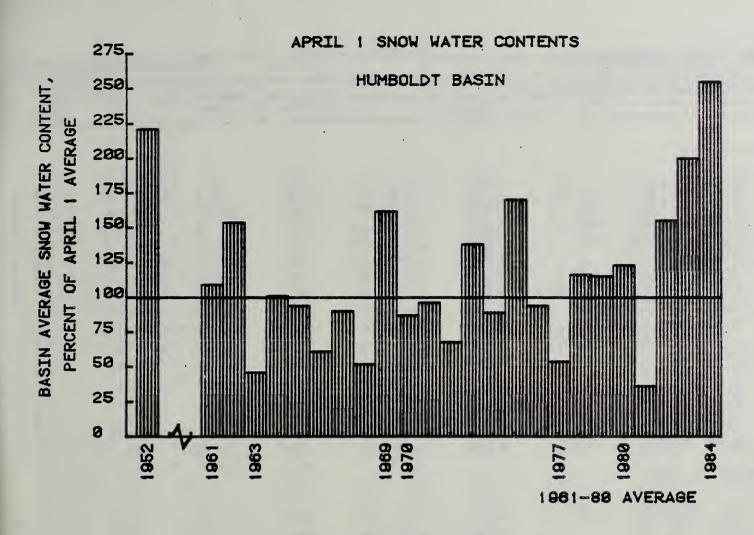
DRAINAGE BASIN and	0.00		RENT INFORMA	TION	FROM AF	PROX. OCT	
PRECIPITATION GAGE LOCATION	ELEVATION	VATION Date of Month's Reading Precipitation Last Year			This Year	April 1 Average	
							·
TRUCKEE-TAHOE							
Big Meadows	8,300	4/1/84	2.40	7.8	30.10	44.2	1.0 10
9	7,800	4/1/84	1	15.0		78.1	46.40
Echo Peak, CA	6,240	4/1/84	4.30	8.8	71.10	2	47.74
Fallen Leaf, CA	8,000	4/1/84	1.10		17.40	45.0	28.20
Hagan's Meadow, CA			1.30	7.3	29.00	35.4	25.97
Heavenly Valley, CA	8,800	4/1/84	2.60	8.8	30.80	43.5	28.72
Independence Camp, CA	7,000	4/1/84	2.50	11.1	36.20	45.3	28.41
Independence Creek, CA	6,500	4/1/84	2.80	10.0	37.50	46.7	30.55
Marlette Lake	8,000	4/1/.84	2.40	9.9	33.40	46.6	28.27
Mt. Rose	9,000	4/1/84	2.50	15.6	35.70	62.6	26.33
Mt. Rose Ski Area	8,850	4/1/84	4.70	13.6	56.20	79.9	57.96
Rubicon #2, CA	7,500	4/1/84	2.90	8.2	43.00	52.3	41.76
Tahoe City Cross, CA	6,750	4/1/84	2.40	7.7	39.30	46.3	36.71
Truckee #2, CA	6,400	4/1/84	2.30	9.6	33.70	43.8	32.36
Ward Creek #3, CA	6,750	4/1/84	6.70	20.7	76.70	87.8	39.88
CARSON-WALKER							
Blue Lakes, CA	8,000	4/1/84	3.50	7.7	41.10	63.0	47.52
Ebbetts Pass, CA	8,700	4/1/84	3.90	16.0	48.60	74.0	43.51
Leavitt Meadows, CA	7,200	4/1/84	2.10	6.9	31.40	39.9	34.63
obdell Lake, CA	9,200	4/1/84	1.80	4.7	21.39	34.3	20.37
Poison Flat, CA	7,900	4/1/84	2.20	7.3		43.0	28.49
Sonora Pass Bridge, CA	8,800	4/1/84	3.00	10.5	35.90	51.6	29.36
Spratt Creek, CA	6,080	4/1/84	2.30	7.0	32.30	45.5	32.15
'irginia Lake Ridge, CA	9,200	4/1/84	1.30	5.9	24.50	39.1	10.24
Vet Meadows #2, CA	8,050	4/1/84	3.60	20.5	46.50	72.2	39.88
vet freadows #2, on	1 0,050	4, 1, 04	3.00	20.5	40.30	12.2	3.9.00
HUMBOLDT							
Big Creek Summit	8,700	4/1/84	4.40	9.0	25.70	25.7	13.40
Buckskin, Lower	6,700	4/1/84	4.70	6.8	27.30	22.8	18.03
Corral Canyon	8,500	4/1/84	3.70	6.9	28.60	24.6	19.12
Granite Peak	7,800	4/1/84	5.60	7.1		29.7	22.55
Green Mountain	8,000	4/1/84	3.30	5.0	36.20	26.2	23.14
Lamance Creek	6,000	4/1/84	5.00	7.0	33.80	27.4	
amoille #3	7,700	4/1/84	4.10	5.9	34.30	22.8	19.49
SNAKE-OWYHEE	7 800	1/11/04	. 70		00.00	05.0	07.00
Bear Creek	7,800	4/1/84	4.70	6.6	33.80	25.9	21.38
Big Bend	6,700	4/1/84	1.70	3.5e	17.20	13.1	11.58
Fawn Creek #2	7,000	4/1/84	4.40	6.8	35.20	-28.4	16.28
Goat Creek	8,800	4/1/84	5.50	7.7	33.20	28.2	23.57
Jack Creek #2, Upper	7,250	4/1/84	6.70	5.3	27.70	24.3	20.04
Laurel Draw	6,700		3.40	4.6	29.30	20.93	18.86
Pole Creek Ranger Station	8,330	4/1/84	3.10	3.7	20.90	14.2	13.89
Seventy Six Creek	7,100	4/1/84	1.80	3.4	23:20	16.9	14.47
EASTERN NEVADA							
Hole-in-Mountain	7,900	4/1/84	6.50	5.5	40.10	22.8	37.00
Ward Mountain	8,900	4/1/84	3.60	3.5	17.00	21.6	17.55
nara modicarii	0,500	,, 1, 04	3.00	3.5	17.00		17.55
NORTHERN NEVADA							
Cedar Pass, CA	7,100	4/1/84	5.10]0.0		33.2	
Disaster Peak	6,500	4/1/84	3.60	6.1	26.30	24.1	16.21

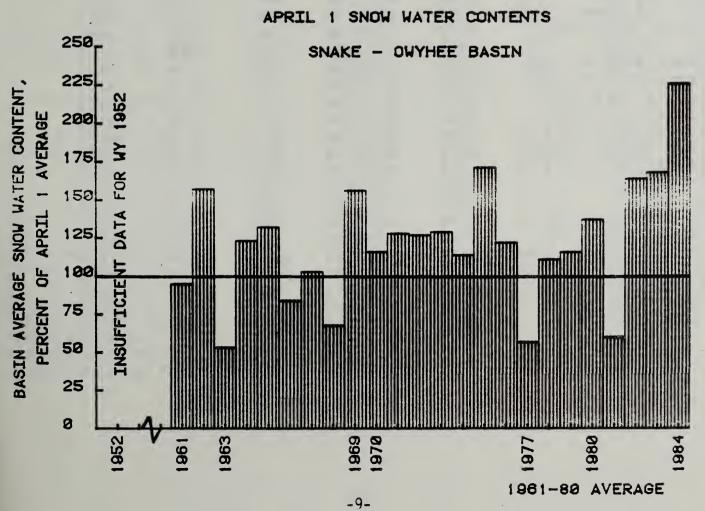
PRECIPITATION (Inches) April 1984, National Weather Service

ORAINAGE BASIN 200 CURRENT INFORMATION FROM APPROX. OCT 1 TO 0									
PRECIPITATION GAGE LOCATION	ELEVATION	Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal		
TRUCKEE-TAHOE				2 / 0	00 /7				
Boca	5,575.		6.92	2.49	22.47	34.29	17.57		
Glenbrook	6,350	1.25	5.23	1.93	16.20	26.64	12.45		
Tahoe City	6,230	2.68	8.61	3.92	29.13	42.99	29.13		
Truckee Ranger Station	5,995	.71	6.54	4.00	29.40	38.68	27.13		
CARSON-WALKER									
Bridgeport Ranger Station	6,560	.43	2.30	.84	5.83	14.23	8.52		
Hawthorne	4,215	.17	.45	.30	68-68-63-20	2.66	1.75		
Twin Lakes	5,971	4.80	13.34	6.90	45.35	47.91	40.58		
HUMBOLDT						·			
Austin	6,605	1.40	1.99	1.54	10.78	9.88	7.12		
Battle Mountain	4,530	.79	.68	.68	3.97	3.96	4.81		
Deeth	5,338	1.35	2.18		11.02	10.81			
Elko	5,075	1.25	1.91	.85	10.80	8.73	5.44		
Emigrant Pass	5,755	1.73	2.64	1.19	10.74	9.89	6.59		
Jiggs	5,760	1.22	2.41	8080	13.31	10.06	-		
Lovelock FAA	3,900	.11	1.28		4.53	5.47	GD 623-22380		
Wild Horse Reservoir	6,600	1.13	1.28		13.38	*			
Paradise Valley	4,675	1.78	2.53	.73	12.39	10.32	6.01		
Winnemucca	4,301	1.59	1.46		8.15	6.74			
SNAKE-OWYHEE									
Mountain City	5,620	1.01	1.71	.99	10.99	7.33	7.30		
EASTERN NEVADA							ŀ		
Arthur	6,280	1.51	3.09	1.28	17.30	12.50	8.63		
Montello	4,880	.35	1.19	.46	4.86	5.20	3.10		
Ruby Lake	6,012	2.04	2.60		13.93	9.92			
NODWIEDN CREAT BACTN									
NORTHERN GREAT BASIN Alturas Ranger Station	4,400	1.23	2.86	1.19	10.79	10.26	7.22		
Orovada	4,310	1.78	2.22	1.04	9.03	7.33	5.35		
Susanville	4,148	.69	2.98	1.04	9.05	17.50	10.28		
Susanville	4,140	.09	2.90			17.50	10.20		
CENTRAL GREAT BASIN	5 426	00	2.42			6 12	1 64		
Tonopah	5,426	.08	2.42			6.12	1.64		
LOWER COLORADO RIVER									
Caliente	4,402	.79	2.94	distriction.	40400 ep	7.51	3.89		
Las Vegas	2,162	T	.90			303	1.77		
Bishop	4,118	.09	.09			8.53	4.15		
							-		
		1							









SNOW COURSE MEASUREMENTS			THIS YEAR	Y	PAST RECORD			
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth	Water Content	Water	Content		
NAME	Elevation	Date of Survey	(inches)	(inches)	Last Year	Average +		
·								
AKE TAHOE								
ECHO PEAK (CA)	7800	3/27/84	95	45.3	78.0	36.8		
ECHO SUMMIT (CA)	7450	3/30/84	84	38.0	64.0	33.1		
FALLEN LEAF (CA)	6300	3/29/84		.0	19.5	2.9		
FREEL BENCH (CA)	7300	3/27/84	13	6.0	25.6	10.9		
GLENBROOK #2	6900	4/02/84	26	9.2	26.2	11.6		
HAGANS MEADOW (CA)	8000	3/27/84	42	14.5	39.0	17.5		
HEAVENLY VALLEY (CA)	8850	3/30/84	69	28.2	45.5	27.8		
LAKE LUCILLE (CA)	8200	3/30/84	165	75.9	***	57.3		
MARLETTE LAKE	8000	3/27/84	60	24.6	47.3	22.1		
RICHARDSONS #2 (CA)	650 0	3/31/84	29	10.4	34.5	15.8		
RUBICON #1 (CA)	8100	3/30/84	144	58.9	95.0	48.6		
RUBICON #2 (CA)	7500	3/30/84	74	32.0	58.3	29.4		
TAHOE CITY CROSS(CA)	6750	3/30/84	3 2	13.8	41.3	19.5		
TRUCKEE, UPPER (CA)	6400	3/27/84	7	3.2	19.4	8.5		
WARD CREEK #2 (CA)	7000	3/27/84	95	40.9	76.4	41.6		
WARD CREEK #3 (CA)	6750	3/27/84	85	34.5	72.3	38.2		
RUCKEE RIVER								
BIG MEADOWS (CA)	8300	3/27/84	58	23.0	42.5			
BOCA #2 (CA)	5900	3/25/84		.0	10.5	3.8		
BROCKWAY SUMMIT (CA)	7100	3/31/84	30	13.7	45.2	16.2		
CASTLE CREEK (CA)	7400	3/27/84	129	59.8	****	50.2		
CSS LAB (CA)	6900	4/01/84	83	33.8				
DONNER PARK #2 (CA)	6000	3/23/84	19	6.8	27.9	16.8		
DONNER SUMMIT (CA)	6900	3/27/84	79	27.3	87.2	37.8		
FORDYCE LAKE (CA)	6500	3/27/84	73	37.2	85.4	40.6		
FURNACE FLAT (CA)	6700	3/27/84	97	48.2	97.4	47.6		
INDEPENDENCE CAMP CA	7000	3/27/84	47	18.4	45.0	22.4		
INDEPENDENCE CREEK	6500	4/03/84	27	10.5E	32.0	12.9		
INDEPENDENCE LAKE CA	8450	3/27/84	120	51.3	72.2	41.6		
LITTLE VALLEY	6300	4/02/84	6	2.0	16.1	7.0		
MT. ROSE	9000	3/27/84	8 2	32.2E	57.0	35.9		
MT. ROSE SKI AREA	9000	4/02/84	113	49.1	75.6	42.0		
SAGEHEN CREEK (CA)	6500	4/03/84	16	6.4E	33.1	17.6		
SQUAW VALLEY #2 (CA)	7500	3/27/84	135	59.6	95.0	48.2		
SQUAW VALLEY G.C., CA	8200	4/03/84	149	65.8E	****	53.2		
TRUCKEE #2 (CA)	6400	3/31/84	21	8.0	29.4	14.5		
WEBBER LAKE (CA)	7000	3/28/84	79	34.6	63.8	30.2		
WEBBER PEAK (CA)	8000	3/28/84	121	51.0	80.6	42.6		

SNOW COURSE MEASUREMENTS			THIS YEAR			PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth	Water Content	Water (Content		
NAME	Elevation	Date of survey	(inches)	(inches)	Last Year	Average		
RSON RIVER								
BLUE LAKES (CA)	8000	3/29/84	9 2	38.0	68.0	35.6		
ECHO PEAK (CA)	7800	3/27/84	95	45.3	78.0	36.8		
CARSON PASS, UP (CA)	8600	3/26/84	76	35.5	65.5	34.3		
CLEAR CREEK	7300	4/02/84	20	6.6	22.1	12.0		
EBBETTS PASS #2 (CA)	8700	3/27/84	93	41.5	71.0	38.3		
FISH VALLEY, UP AM, CA	8050	3/27/84	12	5.4	25.2	14.3		
MONITOR PASS AM(CA)	8350	3/27/84	45	18.9	25.2	=		
POISON FLAT #2 (CA)	7900	3/27/84	29	13.0	34.1	18.5		
SPRATT CREEK (CA)	6080	3/27/84		.0	10.5			
WET MEADOWS LAKE AM	8050	3/27/84	70	31.5	58.5	== 0		
WET MEADOWS #2 (CA)	8100	3/27/84	96	43.0	81.5	39.3		
WOLF CREEK AM (CA)	8000	3/27/84	60	27.0	63.0	29.		
KER RIVER					<u> </u>			
CENTER MOUNTAIN (CA)	9400	3/27/84	98	42.0	72.7	37 . :		
LEAVITT LAKE (CA)	9400	3/27/84	125	58.4	94.2	45.		
LEAVITT MEADOWS (CA)	7200	3/27/84		.0	22.4	8.:		
LOBDELL LAKE (CA)	9200	3/27/84	44	15.7	35.1	17.		
SAWMILL RIDGE (CA)	8750	3/27/84	45	16.8	37.2	19.		
SONORA PASS (CA)	8800	3/27/84	60	26.9	51.6	24.		
SONORA PASS BRIDGE	8800	3/27/84	69	27.5	46.8	25.		
TIOGA PASS (CA)	9900	3/27/84	81	36.9	62.7	26 .		
						17.		
VIRGINIA LAKES (CA)	9500	3/27/84	39	15.1	33.1			
VIRGINIA LAKES RIDGE WILLOW FLAT (CA)	9200	3/27/84	51	19.5	43.7	18.7		
WILLOW FLAT (CA)	8250	3/27/84	21	9.2	25.0	10.8		
RTHERN GREAT BASIN								
BALD MOUNTAIN AM	6720	3/27/84	17	7.1	8.6	2.3		
BARBER CREEK (CA)	6500	3/28/84	40	17.2	22.8	11.4		
CEDAR PASS (CA)	7100	3/26/84	53	21.1		16.3		
DENIO CREEK AM (OR)	6000	3/27/84		. 2E		. 3		
DISASTER PEAK	6500	4/01/84	58	25.2S	21.2	14.		
DISMAL SWAMP #2 (CA)	7000	3/29/84	98	42.0	42.0	27.0		
FORTY-NINE MOUNTAIN	6000	3/30/84	11	4.3	9.4			
GOVERNMENT CORRALS	7450	3/27/84	66	26.0		eo a		
LITTLE BALLY MTN. AM	6000	3/27/84	9	3.6		2.0		
MT. BIDWELL (CA)	7240	3/29/84	8 5	34.2	37.6	24.7		
OREGON CANYON AM(OR)	7240	3/30/84	27	8.9	11.4	3.6		
PUEBLO SUMMIT (OR)	6300	3/27/84	6/	.5E				
QUINN RIDGE AM (OR)	6300	3/30/84	15	5.0	. 1	. 9		
RESERVATION CREEK	5900	3/3.0/84	41	18.5	· •	10.5		

NOW COURSE MEASUREMENTS			THIS YEAR		PAST R	RECORD.
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth	Water Content	Water (Content
NAME .	Elevation	Date of Survey	(inches)	(inches)	Last Year	Average +
NAKE RIVER						
BEAR CREEK	7800	3/30/84	94	33.8	27.8	21.3
FOX CREEK	6800	3/30/84	51	17.5	13.1	9.5
GOAT CREEK	8800	3/30/84	89	31.1	22.0	18.4
HUMMINGBIRD SPRINGS	8950	3/30/84	102	36.0	28.5	23.7
JAKES CREEK AM	7000	4/03/84	60	22.2	16.0	
MERRIT MOUNTAIN AM	7000	4/03/84	42	14.3	5.8	5.4
POLE CREEK R.S.	8330	3/30/84	91	33.2	23.6	21.7
SEVENTYSIX CREEK	7100	3/27/84	58	22.6	17.4	11.4
STAG MOUNTAIN AM	7700	4/03/84	78	28.1	12.6	4.8
WYHEE RIVER						
BIG BEND	67.00	3/27/84	47	15.5	13.7	10.6
COLUMBIA BASIN AM	6650	4/03/84		21.0	11.2	6.9
FAWN CREEK AM	7050	3/27/84		28.1	23.8	11.4
FAWN CREEK #2	7050	4/01/84		34.1	26.1	18.0
GOLD CREEK	6600	3/27/84		11.1	7.7	4.8
JACK CREEK, LOWER	6800	3/27/84		16.1	7.0	2.3
JACK CREEK, UPPER	7250	3/27/84		24.7	15.4	9.4
JACK CREEK #2, UPPER	7280	3/27/84		34.5	31.2	18.5
JACKS PEAK	8420	4/01/84		54.0E	36.4	24.
LAUREL DRAW	6700	3/27/84		19.6	13.7	6.8
LOUSE CANYON AM (OR)	6440	3/30/84		20.0	11.0	2.
TAYLOR CANYON	6200	3/27/84		10.3	10.4	2.
PER HUMBOLDT RIVER						
AMERICAN BEAUTY AM	7800	4/02/84	75	27.0	13.9	8.
CORRAL CANYON	8500	3/28/84		29.3	25.6	17.
DORSEY BASIN	8100	3/28/84		31.9	23.7	12.
DRAW CREEK #2	7450	3/27/84		20.8		-
DRY CREEK	6500	3/28/84		16.1	9.6	1.
FRY CANYON	6700	3/27/84		15.1	13.4	6.
GREEN MOUNTAIN	8000	3/28/84		30.7	24.4	11.
HARRISON PASS #1	6600	3/28/84		10.0	6.5	2.
HARRISON PASS #2	7400	3/28/84	-	14.4	10.6	4.
LAMOILLE #1	7100	3/28/84		18.3	15.6	7.
LAMOILLE #3	7700	3/28/84		22.6	15.6	12.
LAMOILLE #5	8700	3/28/84		42.8	34.6	26.
POLE CANYON #2	7700	3/28/84		40.9	26.6	
ROBINSON LAKE AM	9200	3/27/84		47.4	36.7	27.
RODEO FLAT	6800	3/27/84		17.7	14.3	4 .

SNOW COURSE MEASUREMENTS DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD		
		Date of Survey	Snow Depth	Water Content	Water Content		
NAME	Elevation	Date of survey.	(inches)	(inches)	Last Year	Average +	
PPER HUMBOLDT RIVER (Cont	.)						
RYAN RANCH	5800	3/28/84	8	2.5	. 4	. i	
SMITH CREEK	7700	3/28/84	78	28.2	. 21.8		
TENT MTN, LOWER AM	7000	4/03/84	55	19.3	10.9	15.5	
TENT MTN, UPPER AM	8350	4/03/84	86	34.4	25.5	20.5	
TREMEWAN RANCH	5700	3/27/84	1.0	3.3	. 0	.3	
TROUT CREEK, LOWER	6900	3/28/84	33	11.5	6.6	2.5	
OWER HUMBOLDT RIVER					*		
BIG CREEK CAMPGROUND	6600	4/02/84	12	. 4.4	1.2	1.1	
BIG CREEK MINE	7600	4/02/84	44	13.0	10.7	4.1	
BIG CREEK SUMMIT	8700	4/02/84	73	21.7E	27.1	12.0	
BIG CREEK, UPPER	7800	4/02/84	49	17.0	12.1	6.3	
BUCKSKIN, LOWER	6700	4/01/84	68	24.7E	18.0	7.0	
BUCKSKIN, UPPER	8200	4/01/84		31.1E	20.4	8.8	
GOLCONDA #2	6000	3/30/84	40	15.7	14.5	2.3	
GRANITE PEAK	7800	4/01/84	82	32.7E	37.0	15.1	
LAMANCE CREEK	6000	4/01/84	78	31.1E	27.2	6.4	
MARTIN CREEK	6700	4/03/84	46	17.0E	23.2	8.1	
MIDAS	7200	4/03/84	20	7.4	11.4	1.8	
SNOWSTORM MOUNTAIN	7420	4/03/84	68	25.2	24.1	em 43	
TOE JAM AM	7700	4/03/84	66	25.1	15.8	8.3	
ASTERN NEVADA							
BAKER CREEK #1	7950	3/28/84	26	6.3	8.7	5.8	
BAKER CREEK #2	8950	3/28/84	56	16.5	20.4	12.8	
BAKER CREEK #3 AM	9250	3/27/84	65	17.3	27.7	15.5	
BERRY CREEK	9100	3/28/84	71	22.7	23.9	14.2	
BIRD CREEK	7500	3/27/84	19	5.3	7.7	2.1	
DEFIANCE MINES AM	9400	3/27/84	82	24.0	29.2	16.6	
HOLE-IN-MOUNTAIN	7900	3/28/84	108	46.7	33.1	21.1	
KALAMAZOO CREEK	7400	3/30/84	51	15.2*	15.4	6.1	
MURRAY SUMMIT	7250	3/27/84	7	1.3	7.4	1.3	
ROBINSON SUMMIT	7600	3/27/84	7	. 9	2.0	1.0	
SILVER CREEK #2	8000	3/27/84	31	9.5	6.8	5.1	
WARD MOUNTAIN #2	9200	3/27/84	43	13.2	27.4	7.7	
OWER COLORADO RIVER						-	
CORDUROY FLAT	8720	3/27/84	28	9.0	16.0	9 /	
KYLE CANYON	8200	3/26/84	∞ ==	.0	23.4	7.6	
LEE CANYON #2	9000	3/26/84	10	2.6	23.4	7.7	
LEE CANYON #3	8500	3/26/84		. 0	20.6	6.3	
RAINBOW CANYON #2	8100	3/26/84	. 6	2.2	31.0	13.4	
WHITE RIVER #1	7400	3/27/84	6	1.9	10.6	1.8	

E = Estimated

S = Snotel Provisional/depth estimated.

DRAINAGE BASIN and/or SNOW COURSE NAME Date of Survey Snow Depth (inches) Water Content (inches) Last Year Average

DESERT RESEARCH INSTITUTE

TAHOE-TRUCKEE BASIN

Alder Creek	6,960	3/27/84	97	49.4	62.5	
Apollo Way	7,300	3/27/84	0	0	45.5	
Bennett Flat	6,200	3/27/84	12	5.7	31.8	
Brockway Summit	7,200	3/27/84	49	20.1	49.4	
Cabin Creek	6,540	3/27/84	11	5.6	28.6	
Clear Creek	5,800	3/28/84	0	0	0	
Cliff Ranch, Franktown	5,250	3/28/84	0	0 -	0	
Davis Creek	5,160	3/28/84	0	0	0	
Evergreen Hills Road	5,700	3/27/83	0	0	0	
Fuller Lake	6,200	3/28/84	0	0		
Galena Creek	7,440	3/27/84	46	20.0		
Henness Past Jct.	6,410	3/27/84	30 .	12.4	30.7	
Hobart Mills	5,850	3/27/84	0	0	16.6	
Incline Creek	6,235	3/27/84	0	0	10.6	
Jones Creek	6,000	3/27/84	0	0	3.2	
Joy Lake	6,000	3/28/84	0	0	0	
Jct. 395 & NV 27	4,590	3/27/84	0	0	0	
Lancer	5,110	3/27/84	0	0	0	
Little Valley	6,540	3/28/84	0	0		
Mount Rose Resort	8,280	3/27/84	80	37.6	66.4	
North Star Fire Dept.	6,320	3/27/84	0	0	15.7	
RNR Forestry Site	6,400	3/27/84	0	0	19.1	
Reindeer Lodge	7,060	3/27/84	0	0	32.3	
Sagehen Creek	6,340	3/27/84	5	2.5		
Sky Tavern	7,620	3/27/84	39	18.7	41.7	
Spooner Summit	7,260	3/28/84	28	12.4	32.7	
Squaw Valley Fire Dept.	6,240	3/27/84	0	0	43.1	
Tahoe City	6,240	3/27/84	0	0	32.1	
Tahoe Meadows	8,540	3/27/84	102	50.1	80.0	
Tamarack Lake	8,820	3/27/84	80	37.4		
Third Creek	8,000	3/27/84	52	23.0	57.9	
Thunder Cliff	6,200	3/27/84	0	0	34.1	
Truckee-Tahoe Airport	5,900	3/27/84	0	0	9.4	
Whites Creek	5,670	3/27/84	0	0	0	

AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation_
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester
Division of Conservation Districts
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE P.O. BOX 4850

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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry.

"The Conservation of Water begins with the Snow Survey"